



Rail Under Road

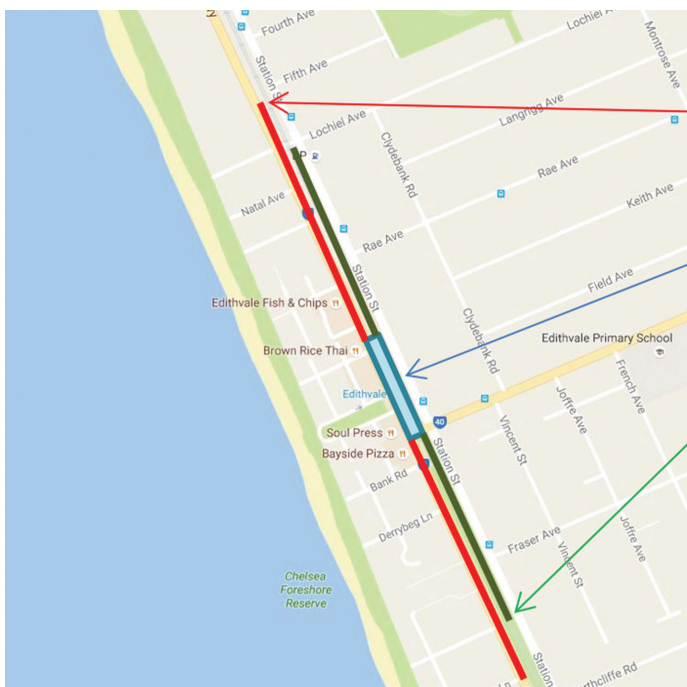
# No Sky Rail: Frankston Line

No Sky Rail On Frankston Line Incorporated  
Association No. A0095560C

PO Box 2037  
Edithvale VIC 3196

## FACT SHEET: Rail Under Road Edithvale Road Level Crossing

Another 8 level crossings on the Frankston Line are due to be removed. Three are already Rail Under Road: Ormond, Bentleigh and McKinnon. This leaflet explains how your local crossing can also be Rail Under Road.



**Elevated  
Sky Rail**

**Edithvale  
Station**

**Rail Under  
Road**

### Elevated "Sky Rail" Option

- 9m high tracks
- +2m noise barriers
- + 4m high station
- +16m high wires
- 450m ramp up
- 200m elevated station
- 450m ramp down
- **Total length = 1.1km**

### Rail Under Road Option

- 7m down to tracks
- 350m ramp down
- 200m station
- 350m ramp up
- **Total length = 0.9km**

*(Measurements based on best knowledge at time of printing)*

## Design Considerations

### 1. Rail Reserve

One lane of Station St and Nepean Hwy could be used to run a temporary rail line while existing track is lowered.

### 2. Ground Water

Groundwater levels are similar to current Rail Under Road sites (ie: Ormond) so not an issue.

### 3. Soil Type

Soil type (sand) can be supported with proper pile foundations, correct concrete mix, and soil anchors (as per Ormond).

### 4. Roadway Clearance

Only a 6 metre clearance is required to put Rail Under Road compared with 9 metres for Rail Over Road (aka Elevated Sky Rail).

### 5. High Voltage Power Line

High voltage power lines on both side of railway line will need to be relocated.

### 6. Wetlands Drainage

Local wetlands are fed by drains to the north-west and discharges north to Mordialloc Creek.



[facebook.com/groups/NSRFL](https://facebook.com/groups/NSRFL)

<http://noskyrailfrankstonline.org>



Rail Under Road

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## Site Assumptions

Parameter	Description	Source
Groundwater Depth	Approximately 6m below grade (track level)	Vic Govt Bore logs <a href="http://www.vvg.org.au/">http://www.vvg.org.au/</a>
Soil Type	Coastal Dune Deposits (sand)	Victorian geology maps
Traffic Volume	High = 13,400 vehicles/day 210 trains/day Boom gates down for an average of 42 minutes from 7am to 9am	LXRA Community Consultation information displays
Other Factors	Minimum Right of Way = 20m	

## Rail Under Road – Advantages

### Less Pollution

- Rail Under Road will also reduce, rather than increase, air-borne pollution.
- A rail line in a cutting will be much quieter than elevating it 9m in the air.
- Less visual pollution and less opportunity for graffiti

### Retain Property Values

- Property values will be preserved or increased, rather than facing a 20% decline as predicted with Sky Rail, “elevated rail” or railway bridges

### Less Council maintenance and increased rate revenue

- No extra cost to council for cleaning (graffiti, removing dumped rubbish, etc) under an elevated railway bridge if the crossings are put in cuttings
- No loss in rate revenue as property values will not decline

### Lower Overall Project Cost

- Project costs can be cut by \$150 million less for a Rail Under Road solution if you skip one crossing by extending Station Street across Patterson River

### Legacy Solution

- A Rail Under Road option will be a proper long-term infrastructure solution that will increase the amenity of area and leave a lasting legacy that will not be an eye sore for generations to come.

## Don't destroy our beautiful beach amenity



“Boatsheds on the beach at Edithvale, Victoria, Australia”, by Ian Fieggen (digitally altered)

Donations: <https://www.givenow.com.au/noskyrailonfrankstonline>